

SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA

06 485 TTY-----SAPTTTFFPAPTTTYSAPTTTFFPSPTTTFFPAPTTTFFPAPTTTXXXXA 63

СУПРЕНІТ АПНІ ТІЛІНІ


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1  APPLICATION NUMBER: US/10/124,557
2  FILING DATE: 16-Apr-2002
3  CLASSIFICATION: <unknown>
4  PRIOR APPLICATION DATA:
5  APPLICATION NUMBER: US 07/643,502
6  FILING DATE: 18-JAN-1991
7  APPLICATION NUMBER: US 07/546,114
8  FILING DATE: 23-JUN-1990
9  APPLICATION NUMBER: US 07/457,196
10 FILING DATE: 23-DEC-1989
11 APPLICATION NUMBER: US 07/390,901
12 FILING DATE: 08-AUG-1989
13 ATTORNEY/AGENT INFORMATION:
14 NAME: Coerr, Luann
15 REGISTRATION NUMBER: 31,822
16 REFERENCE/POCKET NUMBER: G1 5190
17 TELECOMMUNICATION INFORMATION:
18 TELEPHONE: (617)876-1170
19 TELEFAX: (617)876-5851
20 INFORMATION FOR SEQ ID NO: 58:
21 SEQUENCE CHARACTERISTICS:
22 LENGTH: 1049 amino acids
23 TYPE: amino acid
24 TOPOLOGY: linear
25 MOLECULE TYPE: protein
26 SEQUENCE DESCRIPTION: SEQ ID NO: 58:
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28 US-10-124-557-58
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30 Query Match 3.88; Score 264.5; PR 12; Length 1049;
31 Best Local Similarity 21.98; Freq. No. 1.2e-06;
32 Matches 172; Conservative 68; Mismatches 326; Indels 223; Gaps 14;
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Db 547 EKPAITLLELAATTIEETIT PEEPAITPKAAATITTEFAITTEPER 597
QY 939 KIKRELAALAKLIRVUH N CTSPNOYSSPPAVPPP-----KAPPLRPSLSIQF 990
Db 598 APTTKEPATV TIMEPATTPKIAATITTEFAITTPPKFAPELAPTITKE 649
QY 991 KOGELKLPQSPNPTATAPPEFPALEPLSGEPKTE----SVESHALTEFFMEDKN 1044
Db 650 PTSTSDPATITPE JTAATTEFAITTPPEPATTPVCTATPTLKFPAPTTP---KK 705
QY 1045 ISTKLVPIS 1053
Db 706 PAKRELAPT 714

RESULT 14
US 10-124 557-50
Sequence 142, Application US/10124557
Patent No. US20020137894A1
GENERAL INFORMATION:
APPLICANT: Turner, Katherine C.
 Jacobs, Kenneth
 Hewick, Rodney M.
 Gesner, Thomas G.
TITLE OF INVENTION: Mesakaryocyte Stimulating Factors
NUMBER OF SEQUENCES: 143
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.
STREET: 97 Cambridge Park Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02140

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC DOS/MS DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/124,557
FILING DATE: 16-Apr-2002
CLASSIFICATION: <Unknown>
PRIORITY INFORMATION:
APPLICATION NUMBER: NO 07/643,602
FILING DATE: 18-JAN-1991
APPLICATION NUMBER: NO 07/546,114
FILING DATE: 29-JUN-1990
APPLICATION NUMBER: NO 07/457,196
FILING DATE: 29-DEC-1989
APPLICATION NUMBER: US 07/390,901
FILING DATE: 08-AUG-1989
ATTORNEY/AGENT INFORMATION:
NAME: Cserr, Luann
REGISTRATION NUMBER: 31,822
REFERENCE/AGENT NUMBER: 01 6,900
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)876-1170
TELEFAX: (617)876-5891
INFORMATION FOR SEQ ID NO. 142:
SEQUENCE CHARACTERISTICS:
LENGTH: 1313 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO. 142:

Query Match: 3.66, Score 264.5, DB 12, Length 1313
Best local similarity: 21.58, Field NO. 146-150,
Matches 170, Conservative 68, Mismatches 326, Indels 223, Gaps 34.

QY 340 FSSIQMWETMTATFVSCAGRRGRLDELFSVAVLMMNTEFQUR WALEMVLLES 600
Db 74 ESSSSSSSSSSSSSIIMFIESSENAAWFLKFKFK LRRNR 114
QY 409 FAIPALERVLKIPVSCAFESM-----AAVGR KILALKEFLALMAK 3 436
Db 119 KRPTP---KPP VVPEASQIPNPKVPTTTHKVKVTSFTTATLPHL 107
QY 447 HPPTOLEWKAQGLPPFPMALVFTNPPSYCAPVFWITTPPEFAWILQGRHAPHPWS 694
Db 173 LFNSSQKKE TSLVWKEETTVETRELIIEQ TSHGKEKTSKPE 216
QY 507 VSLHSGEAMDELPSCEVL-----DLCTHGLHGAHHNPTTHGLAKHLPVAG 609
Db 219 TQLEKTSKELAPTSVLAAPTPPAPPTTPKATITPEP THTTPPAPTPPTPT 274
QY 509 VQAPLPELSPGPAHILASSTPPKASKPPENINEMGR ERIALAPVHLEQWALKR 619
Db 277 PTTTSPAPTTPPPAPTTPPTTSAP-----TTTPK EIA 304
QY 620 KNEKGGSSVGTQQSYPMVIVPMVQVAFSYQAMITAP MFOHAKMA VTTSHAMK 672
Db 307 -----PITKEPA-PITKFPAPTTPPKFAPTTTSAITITREIATPTTKRAT 400
QY 673 VHTPELHLPVLISSPMIALQGNFINDAMHLAGMTTQAVQSHFQNPHEHCAVTPG 700
Db 756 TPPEPAPTTPV----- EHTPTTKRAT 276
QY 723 ATCHPST TAPKAPFPAPAPPEPPNIPNPPVHREPTTAPPTTPPT 780
Db 380 TEPAPITPPFPAPAPFPAPAPITREIATITREIATITREIATITREIAT 434
QY 786 QQPEPEYELMSEPIFVFTVPFAPVAPPEMKEHTEHREKVALHHPHPPVVRKHL 846
Db 435 PTK SAPITTEEPAPITIFSAITTPPEPPTTPKPSATITTPAPPTTKRKA 490
QY 846 -----KASPPVAVPPEPAPFACFEVETQURDP PWHSSNVALHP 894
Db 497 PTTTPVAPITTPPEAPITTPKAPAPFPAPTTPPEIATITREIATITREIATITP 640
QY 655 -KASPPVAVPSSSAPPEPPEPPEPPEPPEPPEPPEPPEPPEPPEPPEPPEP 600
Db 547 EKPAPTPELAPTTPPEPPTT-----PEEPAITPEFAAANTREIATTPKEP 607
QY 330 KTFTEELAPGLVNHPPCTGNYKPKNPAVHP KAPPLEPUSITR 600
Db 508 APTTPFPAPT-----TPPTAPTTPPGIAPITLKEPAITLKEPAITLKEPAITTEE 644
QY 1045 ISTKLVPIS 1053
Db 706 PAKRELAPT 714

RESULT 15
US-10-124 557-50
Sequence 50, Application US/10124557
Patent No. US20020137894A1
GENERAL INFORMATION:
APPLICANT: Turner, Katherine C.
 Jacobs, Kenneth
 Hewick, Rodney M.
 Gesner, Thomas G.
TITLE OF INVENTION: Mesakaryocyte Stimulating Factors
NUMBER OF SEQUENCES: 143
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.
STREET: 97 Cambridge Park Drive
CITY: Cambridge

STATE: Massachusetts
COUNTRY: U.S.A.

ZIP: 02100

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: MS-DOS/Windows

SOFTWARE: Parentin Release #1.0, Version #1.25

CURRENT APPLICATION: DATA

APPLICATION NUMBER: US 07/457,196

FILING DATE: 16-SEP-2002

CLASSIFICATION: <unknown>

PATENT APPLICATION DATA

APPLICATION NUMBER: US 07/457,196

FILING DATE: 16-SEP-2002

APPLICATION NUMBER: US 07/457,196

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FILING DATE: 16-SEP-2002

APPLICATION NUMBER: US 07/457,196

FILING DATE: 16-SEP-2002

APPLICATION NUMBER: US 07/457,196

Query Match 3.81, Score 264.5, DB 12, Length 1314,
Best Local Similarity 21.81, Prod No. 100-06,
Matched 100, Coverage 100, Seq. Match 100, Index 203, Gaps 14;

S-10-124-557-50

MOLECULE TYPE: protein
TOPOLOGY: linear
LENGTH: 1314 amino acids

SEQUENCE CHARACTERISTICS:

SEQUENCE FOR SEQ ID NO: 50:

TELEPHONE: (617)876-1170

TELEFAX: (617)876-5851

NAME: Gentry, Luann

REGISTRATION NUMBER: 31,822

PERFORMANCE/INVEST NUMBER: 61 5190

TELEPHONE: (617)876-1170

TELEFAX: (617)876-5851

NAME: Gentry, Luann

REGISTRATION NUMBER: 31,822

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Search completed January 10, 2003, 00:09:03
Job time: 113.409 secs

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MOLECULE TYPE: protein
TOPOLOGY: linear
LENGTH: 1314 amino acids

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Query Match 3.81, Score 264.5, DB 12, Length 1314,
Best Local Similarity 21.81, Prod No. 100-06,
Matched 100, Coverage 100, Seq. Match 100, Index 203, Gaps 14;

S-10-124-557-50

MOLECULE TYPE: protein
TOPOLOGY: linear
LENGTH: 1314 amino acids

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NAME: Gentry, Luann

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Page 30

Job time: 10:53:06

OY	3781	GAGTGTATACGAGAAATAAGCTTTGGGCAAGCGCATTAAGAAGCATTGATTTTC	3840
Dh	3781	GGAGGTGATACGAGAAATAAGCTTTGGGCAAGCGCATTAAGAAGCATTGATTTTC	3840
OY	3841	GAGTGAACGCAGAGGAAGACTCCGCTATGCTATGCGGCTGAGAGCTGATCACAGCATGA	3900
Dh	3841	GAGTGAATTCAGAGGAAGACTCCGCTATGCTATGCGGCTGAGAGCTGATCACAGCATGA	3900
OY	3901	CATATAGCTCTTGACATTCGAACTGAGGAAAATTATTAAGTATATGAAATGAGATCT	3960
Dh	3901	CATATAGCTCTTGACATTCGAACTGAGGAAAATTATTAAGTATATGAAATGAGATCT	3960
OY	3961	GGAAACGAGGCTGGAGCTGGATTTGGCGGGGAGAGAGAGAGAGAGAGAGAGAGAG	4020
Dh	3961	GGAAACGAGGCTGGAGCTGGATTTGGCGGGGAGAGAGAGAGAGAGAGAGAGAGAG	4020
OY	4021	GGTGGAGCGAGCTGGTGGCGCGCGCGAAGCTCTCTTTTCCCTGGGAAAAAGAAATATGCA	4080
Dh	4021	GGTGGAGCGAGCTGGTGGCGCGCGCGAAGCTCTCTTTTCCCTGGGAAAAAGAAATATGCA	4080
OY	4081	AAGTAAATAGTAAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT	4140
DL	4081	AAGTAAATAGTAAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT	4140
OY	4141	CAGGCTCAACTGGAGACTGTAAGAAAGAAACAAGAGAGAGAGAGAGAGAGAGAGAG	4200
Dh	4141	CAGGCTCAACTGGAGACTGTAAGAAAGAAACAAGAGAGAGAGAGAGAGAGAGAGAG	4200
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Dh	4201	GTGCTGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG	4260
OY	4261	ATTGTGAGACTGTGAGCTCAAGAGCTGTAATTTGGATATGATTTAGTGTTCATAGA	4320
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OY	4321	GGATGCTTAATTAATTAACCTTGTTTTCTCTCG	4352
Dh	4321	GGATGCTTAATTAATTAACCTTGTTTTCTCTCG	4352
RESULT 3			
AS13821			
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AC			
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ET	18-DEC-2001 (first entry)		
XX			
DE	DNA encoding human myosin-related protein, hMRP #1.		
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KW	Human; oestrogen regulated unconventional myosin-related protein; MRP;		
KW	auditory; antihypertensive; osteoporosis; neuroprotective; metabolic;		
KW	antiparkinsonian; cytototoxic; oestrogen receptor; alberschloisins;		
KW	osteoporosis; breast cancer; cardiovascular disease; deafness; ss;		
KW	Alzheimer's disease; Parkinson's disease; chromosome 19q25; immunogenic		
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OS	Homo sapiens.		
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FT	CDS	561..1874	
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FT		/note= "Oestrogen-regulated unconventional myosin related protein"	
XX			
PN	W0200168866-A2.		
PD	20-SEP-2001.		
XX			
PF	12-MAR-2001; 2001WO-US08060.		
PP			
RP	10-MAR-2000; 2000US-18848AP.		

[illegible]

Isolated nucleic acid molecule encoding a human secreted protein in

FT used in preventing, treating or ameliorating a medical condition

XX	12	13 OCT 2000	2009US 0239937
XX	13 OCT 2000	2009US 0240060	
XX	14 OCT 2000	2009US 0241021	
XX	15 OCT 2000	2009US 0241785	
XX	16 OCT 2000	2009US 0241786	
XX	17 OCT 2000	2009US 0241787	
XX	18 OCT 2000	2009US 0241809	
XX	19 OCT 2000	2009US 0241826	
XX	20 OCT 2000	2009US 0244617	
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 XX
 PA (HUMA-) HUMAN GENOME SCI INC.
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 PI Rosen CA, Barash SC, Ruben SM;
 XX WPI; 2001-581633/65.
 DR P-PSDB; AAU87523.
 DR
 XX
 PT New isolated nucleic acid encoding a protein for diagnosing,
 PT preventing, treating or ameliorating medical condition and used as
 PT food additives or preservatives -

WPI; 2001-581633/65.
P-PSDB; AAU87523.

New isolated nucleic acid encoding a protein for diagnosing, preventing, treating or ameliorating medical conditions and used as food additives or preservatives -

Claim 1; SEQ ID No 443; 837bp; English.

The invention describes an isolated nucleic acid molecule (i) encoding (ii) a novel central nervous system protein (iii) and polypeptides (iv) encoded by (i), are used to treat a medical condition and is diagnostic of a pathological condition. Disorders, which are diagnosed or treated include autoimmune diseases e.g. rheumatoid arthritis, hyperproliferative disorders e.g. neoplasms of the breast or liver, cardiovascular disorders e.g. cardiac arrest, cerebrovascular disorders e.g. cerebral ischaemia, angiogenesis, nervous system disorders e.g. Alzheimer's disease and amyotrophic lateral sclerosis, infections caused by bacteria, viruses e.g. Acquired immunodeficiency virus (AIDS) and fungi; ocular disorders e.g. corneal infection, gastrointestinal disorders e.g. dysphagia, adenocarcinomas and irritable bowel syndrome, reproductive system disorders e.g. testicular feminization, endocrine disorders e.g. diabetes mellitus and pituitary dwarfism, cancer and disorders in the cellular level e.g. leukaemia, disorders involving neurodegeneration e.g. Alzheimer's disease, respiratory disorders e.g. nonallergic rhinitis, renal disorders e.g. acute kidney failure and blood related disorders e.g. myocardial infarction. The polypeptides can also be used to aid wound healing and epithelial cell proliferation, to prevent skin aging due to sunburn, to maintain organs before transplantation, for supporting cell culture of primary tissues, to regenerate tissues and in cosmetics. The polypeptides can also be used as a food additive or preservative to increase or decrease storage capabilities, fat content, lipid, protein,

Query Match	9.98;	Score 621.2;	NR 23;	Length 1247;
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Matches 725;	Conservative 1;	Mismatches 174;	Indels 0;	

Best Local Similarity 80.6%; Pred Mo 6.4e-131;
Matches 725, Conservative 1, Mismatches 174;

Matches	Conservative	Mismatches	Indels
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3421 AATAATGAGTAACTACAGATTGGGTGCAAAAATGAAGAATGTTCTTGCGACA 3480

